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June 7, 2004

*Gina M. Catanzaro*

Gina M. Catanzaro  
Dated: June 7, 2004

Patent  
Docket No. J641-002 US

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant : Jorge Carlos Joaquin Romangoli  
Application No. : 10/679,600  
Filing Date : October 6, 2003  
For : Leveling Wheel and Closing Wheel Used...  
Examiner : N/A  
Art Unit : 3632

**Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450**

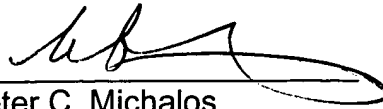
**REQUEST FOR CORRECTION TO INVENTORS NAME**

Sir:

It is requested that the published application 2004/0089209-A1 as well as any patent issued on the present application be corrected to lost the inventors name in proper sequence. The inventors family name is Romagnoli and his first given names are Jorge Carlos Joaquin. His name should therefore either appear Jorge Carlos Joaquin Romagnoli or if his family name is to be listed first, Romagnoli, Jorge Carlos

Joaquin. Please make the appropriate correction.

Respectfully submitted,



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Dated: June 7, 2004

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US 20040089209A1

(19) **United States**(12) **Patent Application Publication** (10) Pub. No.: **US 2004/0089209 A1**~~Joaquin Romagnoli~~(43) Pub. Date: **May 13, 2004**(54) **LEVELLING WHEEL AND CLOSING WHEEL USED IN NO-TILL SOWING**

(52) U.S. Cl. .... 111/185

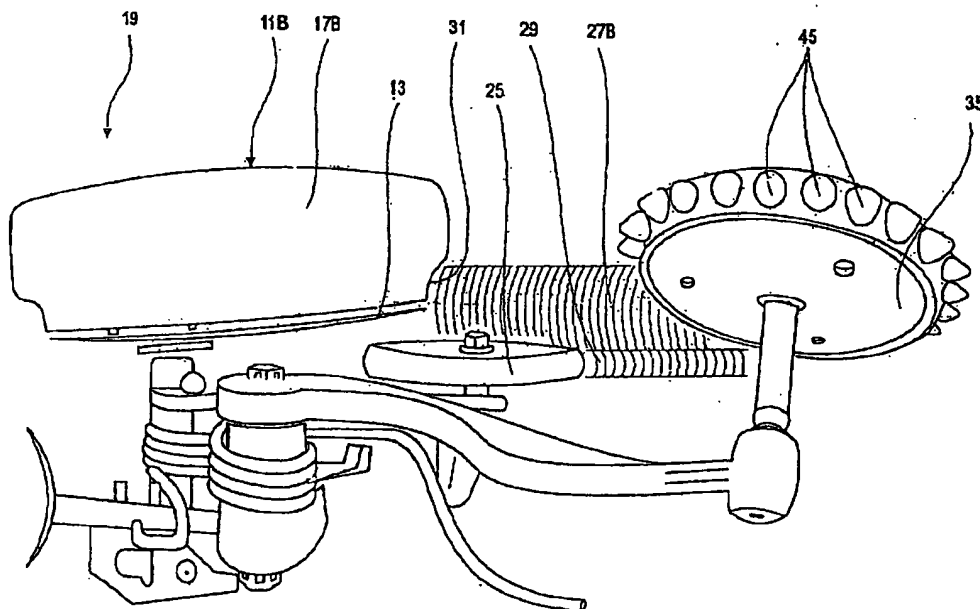
(76) Inventor: **Jorge Carlos Joaquin Romagnoli,**  
Monte Bucy - Cordoba (AR)(57) **ABSTRACT**

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**ORANGEBURG, NY 10962-2100 (US)**

A tandem comprising the combination of leveller and covering wheels for use in no-till or direct-till sowing machines. The leveller wheel (11B) has a semipneumatic tread (15B) including a cavity (31) next to the furrow opener disk (55) to make room for the soil removed from the ground by the latter without compacting it. The cavity spans between one- and two-thirds the breadth of the tread. The shape of the cavity follows the profile naturally formed by the elevated rib of soil formed on the ground on which the covering wheel (35) operates. The cross-section area of the cavity is 30% greater than that of the deepest expected furrow. The covering wheel is provided with conical studs (45) which radially project outwards from the tread (39), at a 5° angle to the wheel plane, the flat rolling band being slanted at 30° to the horizontal.

(21) Appl. No.: **10/679,600**(22) Filed: **Oct. 6, 2003**(30) **Foreign Application Priority Data**

Apr. 18, 2002 (AR) ..... P 020101331

**Publication Classification**(51) Int. Cl.<sup>7</sup> ..... A01C 7/00

# US PATENT & TRADEMARK OFFICE

## PATENT APPLICATION FULL TEXT AND IMAGE DATABASE



( 1 of 1 )

**United States Patent Application****20040089209****Kind Code****A1****Joaquin Romagnoli, Jorge Carlos****May 13, 2004**

Levelling wheel and closing wheel used in no-till sowing

### Abstract

A tandem comprising the combination of leveller and covering wheels for use in no-till or direct-till sowing machines. The leveller wheel (11B) has a semipneumatic tread (15B) including a cavity (31) next to the furrow opener disk (55) to make room for the soil removed from the ground by the latter without compacting it. The cavity spans between one- and two-thirds the breadth of the tread. The shape of the cavity follows the profile naturally formed by the elevated rib of soil formed on the ground on which the covering wheel (35) operates. The cross-section area of the cavity is 30% greater than that of the deepest expected furrow. The covering wheel is provided with conical studs (45) which radially project outwards from the tread (39), at a 5.degree. angle to the wheel plane, the flat rolling band being slanted at 30.degree. to the horizontal.

**Inventors:** **Joaquin Romagnoli, Jorge Carlos;** (*Monte Buey - Cordoba, AR*)**Correspondence** **NOTARO AND MICHALOS****Name and** **100 DUTCH HILL ROAD****Address:** **SUITE 110****ORANGEBURG****NY****10962-2100****US****Serial No.:** **679600****Series Code:** **10****Filed:** **October 6, 2003****U.S. Current Class:****111/185****U.S. Class at Publication:****111/185****Intern'l Class:****A01C 007/00**

### Foreign Application Data

**Date****Code****Application Number**